

Storm Data and Unusual Weather Phenomena - May 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE ERIE				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 4.6 ESE NORTH CAPE [41.74, -83.42]				
	05/01/10 05:36 EST	0		Marine Thunderstorm Wind (MG 47 kt)
	05/01/10 05:36 EST	0		Source: Buoy
A thunderstorm produced a measured 47 knot wind gust over western Lake Erie.				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 4.6 ESE NORTH CAPE [41.74, -83.42]				
	05/05/10 16:00 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	05/05/10 16:00 EST	0		Source: Buoy
A thunderstorm produced a measured 34 knot wind gust over western Lake Erie.				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 2.9 SW DETROIT RIVER LIGHT [42.07, -83.24]				
	05/27/10 20:10 EST	0		Marine Hail (0.88 in)
	05/27/10 20:10 EST	0		Source: Trained Spotter
A thunderstorm moving into western Lake Erie produced nickel size hail.				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 3.5 ESE STONY POINT [41.97, -83.24]				
	05/31/10 12:27 EST	0		Marine Thunderstorm Wind (EG 52 kt)
	05/31/10 12:27 EST	0		Source: Trained Spotter
A thundertorm moving into western Lake Erie produced an estimated 52 knot wind gust from a trained spotter.				
A few severe storms developed ahead of a cold front. The storms produced severe wind gusts in the Michigan waters of Lake Erie.				
LAKE ST CLAIR				
LAKE ST CLAIR (U.S. PORTION) COUNTY --- 6.7 SW NEW BALTIMORE [42.61, -82.82]				
	05/01/10 06:30 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	05/01/10 06:30 EST	0		Source: ASOS
A thunderstorm produced a measured 40 mph wind gust.				
ST CLAIR RIVER COUNTY --- 14.8 W ALGONAC [42.61, -82.82]				
	05/05/10 14:13 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	05/05/10 14:13 EST	0		Source: ASOS
ST CLAIR RIVER COUNTY --- 3.5 W ALGONAC [42.63, -82.60]				
	05/05/10 14:25 EST	0		Marine Hail (0.75 in)
	05/05/10 14:25 EST	0		Source: Trained Spotter
ST CLAIR RIVER COUNTY --- ALGONAC [42.62, -82.53]				
	05/05/10 14:45 EST	0		Marine Hail (0.75 in)
	05/05/10 14:45 EST	0		Source: Trained Spotter
A few strong thunderstorms moved through producing hail and winds to around 40 mph.				
DETROIT RIVER COUNTY --- 0.4 S GROSSE ILE [42.17, -83.17]				
	05/27/10 19:30 EST	0		Marine Hail (0.75 in)
	05/27/10 19:30 EST	0		Source: Trained Spotter
DETROIT RIVER COUNTY --- 3.3 NE DETROIT RIVER LIGHT [42.13, -83.15]				

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	05/27/10 19:55 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	05/27/10 19:55 EST		0	Source: AWOS

Thunderstorms moving through the Detroit River produced hail and a measured wind gust of 45 mph.

MICHIGAN, East

MONROE COUNTY --- 1.0 E REA [41.97, -83.71]

05/01/10 05:30 EST	0	Hail (1.00 in)
05/01/10 05:30 EST	0	Source: Trained Spotter

WAYNE COUNTY --- 0.7 N TAYLOR CENTER [42.23, -83.27]

05/01/10 05:54 EST	0	Thunderstorm Wind (EG 50 kt)
05/01/10 05:54 EST	0	Source: Trained Spotter

Several 3 to 5 inch diameter tree limbs reported blown down.

A convective complex over northern Indiana lifted into the Detroit area, producing isolated severe thunderstorms.

ST. CLAIR COUNTY --- 1.0 W PEARL BEACH [42.63, -82.60]

05/05/10 14:25 EST	0	Hail (0.75 in)
05/05/10 14:25 EST	0	Source: Trained Spotter

ST. CLAIR COUNTY --- ALGONAC [42.62, -82.53]

05/05/10 14:45 EST	0	Hail (0.75 in)
05/05/10 14:45 EST	0	Source: Trained Spotter

A few strong thunderstorms were trigged along a cold front which moved through during the afternoon hours. A few reports of hail up to penny size.

OAKLAND COUNTY --- 1.0 E HOLLY [42.80, -83.60]

05/07/10 15:52 EST	0	Hail (0.75 in)
05/07/10 15:52 EST	0	Source: Trained Spotter

LENAWEE COUNTY --- 0.5 W ADRIAN [41.90, -84.04]

05/07/10 17:50 EST	0	Thunderstorm Wind (EG 52 kt)
05/07/10 17:50 EST	0	Source: Trained Spotter

Two large oak trees reported down on Broad and Chestnut streets.

LENAWEE COUNTY --- 0.5 W ADRIAN [41.90, -84.04]

05/07/10 17:52 EST	25K	Thunderstorm Wind (EG 52 kt)
05/07/10 17:52 EST	0	Source: Newspaper

A tree fell onto a Dodge pickup truck on South Main street. A large branch also blocked one southbound lane of Main street.

LENAWEE COUNTY --- 1.5 E BIRDSALL [41.95, -83.97]

05/07/10 17:55 EST	50K	Thunderstorm Wind (EG 52 kt)
05/07/10 17:55 EST	0	Source: Law Enforcement

Numerous trees, large branches, and power lines reported down.

A few strong to severe thunderstorms impacted locations along and south of M-59.

LIVINGSTON COUNTY --- 1.7 WNW ANDERSON [42.48, -84.05]

05/21/10 17:55 EST	0	Thunderstorm Wind (EG 50 kt)
05/21/10 17:55 EST	0	Source: Trained Spotter

Numerous 12 inch diameter tree limbs blown down.

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LIVINGSTON COUNTY --- 0.7 N GREGORY [42.46, -84.08]				
	05/21/10 17:57 EST		25K	Thunderstorm Wind (EG 54 kt)
	05/21/10 17:57 EST		0	Source: County Official
Numerous trees and power lines were brought down from thunderstorm wind gusts.				
LENAWEE COUNTY --- 1.1 S ADDISON [41.96, -84.35], 1.2 E TECUMSEH [42.00, -83.91], 0.1 WNW BLISSFIELD [41.83, -83.87], 4.9 WSW MEDINA [41.78, -84.36]				
	05/21/10 19:12 EST		0	Flash Flood (due to Heavy Rain)
	05/22/10 05:00 EST		0	Source: Law Enforcement
Numerous roads were flooded and subsequently closed, as localized areas received around 3 inches of rain.				
A batch of heavy showers and embedded thunderstorms caused flooding over Lenawee county with isolated wind damage over Livingston county.				
WAYNE COUNTY --- 0.8 SE RIVERVIEW [42.17, -83.17]				
	05/27/10 19:30 EST		0	Hail (0.75 in)
	05/27/10 19:30 EST		0	Source: Trained Spotter
WAYNE COUNTY --- 1.0 E GIBRALTAR [42.07, -83.21]				
	05/27/10 20:10 EST		0	Hail (0.88 in)
	05/27/10 20:10 EST		0	Source: Trained Spotter
A few strong thunderstorms were triggered near the mouth of the Detroit River during the evening. There were a few reports of hail up to nickel size from the communities along the river.				
LENAWEE COUNTY --- 0.9 NW ONSTED [42.01, -84.19]				
	05/31/10 11:17 EST		0	Thunderstorm Wind (EG 52 kt)
	05/31/10 11:17 EST		0	Source: Law Enforcement
Five trees were reported blown down across Cambridge Township.				
LENAWEE COUNTY --- 1.7 ESE OAK SHADE PARK [42.06, -84.12]				
	05/31/10 11:20 EST		0	Thunderstorm Wind (EG 52 kt)
	05/31/10 11:20 EST		0	Source: Trained Spotter
A trained spotter estimated a 60 mph thunderstorm wind gust.				
WAYNE COUNTY --- 0.9 NE WOODHAVEN [42.13, -83.24]				
	05/31/10 12:19 EST		0	Hail (0.75 in)
	05/31/10 12:19 EST		0	Source: Trained Spotter
MONROE COUNTY --- 0.5 W NEWPORT [42.00, -83.31]				
	05/31/10 12:27 EST		5K	Thunderstorm Wind (EG 52 kt)
	05/31/10 12:27 EST		0	Source: County Official
Numerous trees were reported blown down, with the largest estimated to be 18 inches in diameter.				
WAYNE COUNTY --- 0.7 N GARDEN CITY [42.33, -83.33]				
	05/31/10 13:00 EST		0	Thunderstorm Wind (EG 50 kt)
	05/31/10 13:00 EST		0	Source: Trained Spotter
A six inch diameter tree blimb was reported blown down.				
HURON COUNTY --- 4.4 ENE ELKTON [43.85, -83.10], 5.0 E RAPSON [43.85, -82.78], 2.8 NNE PAWLOKSKI [43.77, -82.78], 1.0 N IVANHOE [43.71, -83.10]				
	05/31/10 16:15 EST		0	Flash Flood (due to Heavy Rain)
	05/31/10 19:30 EST		0	Source: Trained Spotter
One to two feet of water covering numerous intersections in Bad Axe due to heavy rain. Three to six inches of rain was estimated to have fallen.				

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A few severe storms developed ahead of a cold front. Thunderstorms also produced heavy rain, which lead to flash flooding over Huron County.